

INTEROFFICE MEMORANDUM

DATE: August 26, 1992

TO: BRIDGE DIVISION PERSONNEL
FROM: Frank M. Harrison, Assistant Bridge Engineer
SUBJECT: Use of Precast Concrete Spans in Seismic Zones

Precast concrete span standard drawings have been revised to allow use on county projects in seismic acceleration Categories B and C. Current standards may be used in Category A.

Attached are prints of 19', 25' and 31' spans with drawing numbers assigned for filing purposes. Also attached are prints of a job recently completed. Note that standard numbers have been replaced with individual drawing numbers.

There are limitations on the use of these drawings. Each bridge will require modeling on SEISAB. The two #6 dowels in each unit may have to be replaced with larger bars. Our intention was to allow use of these standards for 24'-6" or 28' roadways up to 125' total bridge length to a maximum acceleration of 0.30. All spans would be fixed on both ends. Bents will have to be designed for each individual site.

It may be possible to use this system on longer bridges, but at this time there have been no modeling, or design of an expansion bent.

FMH:bw
Enclosure